

# Signalling Devices

Visual signalling device Xenon flashing beacon

In flameproof enclosure

FL60/C/L100/R/EU Art. No. 206993



- Lamp: Flashing beacon – XENON (5 / 10 J) / LED (6.5 W)
- Type of protection: Ex d
- Class: IP66/IP67 (IEC 60529 / NEMA 4X)
- Robust aluminium enclosure (powder-coated)
- Stainless steel protection cage and mounting bracket included
- 8 light-intensifying Fresnel lens colours available to order
- Telephone system connection optionally available to order

Webshop FL60B



**Product series FL60** is designed to provide a visual alarm which can be used to alert, warn or draw attention to machine malfunction/start up or any number of safety related issues in hazardous areas. The devices are intended for use in hazardous areas or harsh environments.

## Technical Data

### Explosion Protection

Scope of validity	IECEX European Union (ATEX)
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX BAS 05.0087X
IECEX gas explosion protection	Ex db IIB+H2 T4 Gb
IECEX dust certificate	IECEX BAS 05.0087X
IECEX dust explosion protection	Ex tb IIIC T135 °C Db
ATEX gas certificate	Baseefa 02 ATEX 0222 X
ATEX gas explosion protection	⊕ II 2 G Ex db IIB+H2 T4 Gb
ATEX dust certificate	Baseefa 02 ATEX 0222 X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T135 °C Db
Certificates	ATEX (BAS), IECEX (BAS), SIL (exida)

### Electrical Data

Rated operational voltage AC	115 V
Nominal current at AC	0.105 A
Tolerance	-10 – 10 %

### Lighting Data

Lamp	Xenon flash tubes
Flashbulb	10 J
Flash rate	1 Hz

### Ambient Conditions

Ambient temperature	-20 °C ... +60 °C (T4)
Functional ambient temperature	-20 °C ... +60 °C (T4)

### Mechanical Data

Degree of protection (IP) (IEC 60529)	IP66
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## Mechanical Data

Class	I (PE connection) (Internal + external)
Enclosure material	Aluminium, powder-coated, Seawater-resistant
Enclosure colour	red normal
Sealing material	NBR O-ring seal
Material dome	Polycarbonate
Material glas dome	Polycarbonate
Wire guard material	Stainless steel
Max. solid connection terminals	2.5 mm <sup>2</sup>
Max. finely stranded connection terminals	2.5 mm <sup>2</sup>
Clamping range	2.5 ... 2.5 mm
Width	148 mm
Height	276 mm
Length	145 mm
Lens colour	Red
Weight	5.08 kg
Weight	11.2 lb

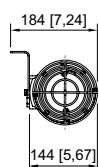
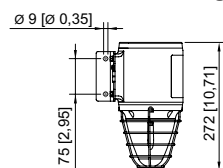
## Mounting / Installation

Connection type	Screw terminal
Mounting part material	Sheet steel, powder-coated

## Components

Drilled holes	2 x M20
Cable glands and entries	Can be ordered as accessories
Stopping plugs	1 x dust cap 1 x M20 x 1.5
Stopping plug material	Brass
Wire guard	Yes

## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



## Accessories

Metal cable gland

Art. No.



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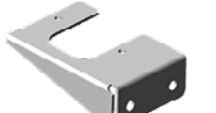

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	Ex d & Ex e cable entry with compound for all types of armoured cables (SWA, braided, tape) (nickel-plated brass) Type 20PX2K, M20 x 1.5	109428
	Ex d & Ex e Cable entry with RapidEx sealing system for all types of unarmoured and braid armour cables (nickel-plated brass) Type 20PX2K-REX, M20 x 1.5	246649
	Ex d & Ex e Cable entry with compound gland for all types of unarmoured and braid armour cables (nickel plated brass) Type 20PXSS2K, M20 x 1.5	109441
	Ex d & Ex e Cable entry with RapidEx sealing system for all types of unarmoured and braid armour cables (nickel-plated brass) Type 20PXSS2K-REX, M20 x 1.5	246605

### Mounting accessories

Art. No.

	L-bracket, stainless steel, (available for FL60, YL60, YA60)	210794
	Mounting bracket material: stainless steel	262014
	Sun shield, stainless steel (available for FL60)	262012

### Spare Parts


#### End cap FL60 / YA60

Art. No.

	End cap with screw set	227892
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#### Replacement PCB assembly

Art. No.

	PCB FL60 5 J / 48 V DC	223072
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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.